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KETTERING
RURAL DISTRICT COUNCIL.

Annual Report

OF THE

Medical Officer of Health,

LESLIE W. DRYLAND, M.R.C.S., L.R.C.P., D.P.H. Lond.

TOGETHER WITH THE

Annual Reports of the
Sanitary Inspector, and
Inspector of Dairies and
:: Cowsheds for 1914. ::

KETTERING:

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MEDICAL OFFICER'S REPORT. FOR 1914.

To the Kettering Rural District Council.

MR. CHAIRMAN AND GENTLEMEN,

I have the honour to present for your consideration my Ninth Annual Report.

The Census Returns for 1911 show a population 12,899 persons.

There is no reason to estimate any perceptible increase in the population during the past year. The number of men employed in the Ironstone Mines is somewhat fewer, as the pits have gradually extended out of the district in some places. Very few new houses have been built. No new factories opened. Consequently I still estimate the population at 13,000. The chief occupation of the people is Agriculture, with a few Boot and Clothing Factories at Burton Latimer and Cottingham.

With exception of Burton Latimer, which has a population of 3,423, the whole district is distinctly rural. Wheat, barley, and pasture land predominate. The country is undulating and well watered in most parts.

The total number of Deaths in the District registered during 1914 is only 97, the smallest total for many years, giving a rate of only 7.4. To these must be added 27 transferable deaths, making a total of 124, with a net death-rate of 9.5.

Two hundred and sixty-eight births have been registered, this total being below the average of the last 10 years, working out at 20.7 per thousand.

The vast majority of these confinements are attended by midwives.

To these must be added 2 transferable births.

The Infantile Mortality Rate is only 55.5 per thousand, compared with 70.9 last year.

Of these 15 deaths of infants, 6 were under 1 month old; none of them died from any infectious disease.

The total number of cases of infectious diseases notified during the year amount to 71 (excluding phthisis). Out of these cases three have died, two of diphtheria, and one of measles, the zymotic death-rate being .23 per thousand. Here follow the tables of vital statistics, etc., as required by the Local Government Board.

TABLE I.
Vital Statistics of Whole District during 1914 and previous years.

YEAR.	Popula- tion estimated to middle of each Year.	Births.			Total Deaths registered in District.		Transferable Deaths.		Nett Deaths belonging to the District.			
		Uncorrected Number.	Nett.		Number.	Rate.	of Non-resi- dents registered in the District.	of Residents not registered in the District.	Under 1 year of age.		At all ages.	
			Number.	Rate.					Number.	Rate per 1000 Nett Births.	Number	Rate.
1	2	3	4	5	6	7	8	9	10	11	12	13
1909	13,150	278	...	21.14	141	10.7	...	16	31	97.1	157	11.9
1910	13,350	289	...	21.64	117	8.7	...	13	13	44.9	130	9.7
1911	12,899	280	...	21.7	134	10.4	...	34	25	89.3	168	13
1912	13,000	269	...	20.69	154	11.9	...	16	27	100.3	170	13.07
1913	13,000	289	+ 1	22.3	128	9.8	...	17	23	70.9	145	11.15
1914	13,000	268	+ 2	20.7	97	7.4	...	27	15	55.5	124	9.5

Area of District in acres (land and inland water) ... 47,353

Total population at all ages ... 12,899 } At Census
Total families or separate occupiers ... 2,899 } of 1911,

TABLE II.

Cases of Infectious Disease notified during the year 1914.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.								TOTAL CASES NOTIFIED IN EACH LOCALITY.							Total Cases Removed to Hospital.	
	At all ages.	At Ages†—Years.							Burton Latimer.	Corby.	Geddington.	Thorpe Malsor.	Cottingham.	Broughton.	Grafton Under-wood.		Other Places.
		Under 1	1 to 5	5 to 15	15 to 25	25 to 45	45 to 65	65 and upwards									
Diphtheria (including Membranous croup)	33	6	21	1	5	...	...	...	1	16	...	2	7	...	5	2	13
Erysipelas	14	...	...	2	4	...	6	...	1	3	...	...	1	...	...	4	13
Scarlet Fever	21	7	11	1	2	...	...	...	1	3	...	...	1	...	...	6	1
Enteric Fever	3	...	1	1	...	1	...	...	...	...	...	...	...	...	...	1	...
Pulmonary Tuberculosis	12	...	1	6	2	2	2	1	...	...	...	...	...	...	...	...	...
Other forms of Tuberculosis	2	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Totals	85	14	34	11	14	9	3	...	9	22	4	4	9	5	5	13	27

The Isolation Hospital is situated in Kettering Urban District, and governed by Joint Hospital Committee composed of Members of Urban and Rural Districts; there is a Sanatorium in Kettering Urban District under the Guardians, to which Rural patients have access.

TABLE III.

Causes of, and Ages at, Death during Year 1914.

CAUSES OF DEATH.	Nett Deaths at the subjoined ages of "Residents" whether occurring within or without the District (a)									Total Deaths whether of "Residents" or "Non-Residents" in Institutions in the District (b.)
	All Ages.	Under 1 year	1 and under 2	2 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards	
1	2	3	4	5	6	7	8	9	10	11
All Causes { Certified (c) Uncertified										
Enteric Fever										
Small Pox										
Measles	1	...	...	1						
Scarlet Fever										
Whooping Cough										
Diphtheria and Croup	2	...	...	1	1					
Influenza	1	...	...	...	...	1				
Erysipelas										
Phthisis (Pulmonary Tuberculosis)	9	...	..	...	1	4	1	3		
Tuberculous Meningitis	1	1								
Other Tuberculous Diseases	1	...	1							
Cancer, malignant disease.. ..	11	...	...	...	...	...	2	7	2	
Rheumatic Fever										
Meningitis	1	..	...	...	1					
Organic Heart Disease	19	...	...	...	...	2	2	4	11	
Bronchitis	14	3	1	...	...	...	...	1	9	
Pneumonia (all forms)	2	...	...	...	...	...	...	...	2	
Other diseases of respiratory organs										
Diarrhoea and Enteritis										
Appendicitis and Typhlitis	1	...	.	...	1					
Cirrhosis of Liver										
Alcoholism										
Nephritis and Bright's Disease	3	...	...	...	...	...	...	1	2	
Puerperal Fever										
Other accidents and diseases of Pregnancy and Parturition										
Congenital Debility and Malformation, including Premature Birth	7	7								
Violent Deaths (excluding Suicide)	1	...	...	...	...	...	...	...	1	
Suicide	1	...	...	...	...	...	..	..	1	
Other Defined Diseases	27	...	1	1	1	4	1	4	15	
Diseases ill-defined or unknown	22	4	...	2	...	...	1	1	14	
	124	15	3	5	5	11	7	21	57	

TABLE IV.

INFANT MORTALITY DURING THE YEAR 1914.

Nett Deaths from stated causes at various Ages under 1 year of age.

CAUSES OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 4 Weeks.	4 Weeks and under 3 Months.	3 Months and under 6 Months.	6 Months and under 9 Months.	9 Months and under 12 Months.	Total Deaths under One Year.
All Causes { Certified ... { Uncertified	... ...	:: ::	:: ::	:: ::	:: ::	:: ::	:: ::	:: ::	:: ::	... ...
Tubercular Meningitis ...	...	...	...	...	...	...	...	1	...	1
Bronchitis ...	...	..	...	...	...	1	2	..	...	3
Congenital Malformations...	...	...	...	1	1.	...	..	...	...	1
Atrophy, Debility and Marasmus...	1	1	1	...	3	...	1	1	1	6
Other causes ...	2	...	...	...	2	1	...	1	...	4
Totals	3	1	1	1	6	2	3	3	1	15

ANNUAL REPORT.

On the administration of the Factory and Workshop Act, 1901,
in connection with Factories, Workshops,
Workplaces and Homework.

I.—INSPECTION.

Premises.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories (including Factory Laundries)	20	...	...
Workshops (including Workshop Laundries)	15	...	..
Workplaces (Other than Outworkers' premises included in Part 3 of this Report)	23	...	...
Total	58	...	...

3.—HOME WORK.

Nature of Work.	Outworkers' Lists, Section 107.							Outwork in Unwholesome Premises, Section 108	Outwork in infected Premises, Sections 109-110.	
	Lists received from Employers twice in the year.			Lists received from Employers once in the year.			Notices served on occupiers as to keeping or sending lists.			
	Lists.	Outworkers		Lists.	Outworkers.					
Contractors.		Workmen.	Contractors.		Workmen.	Instances.	Notices Served.	Instances.	Orders made Sec. 110.	
Wearing Apparel— Making, &c.	20	...	420	...	..	...	...	...	...	...
Brush Making	...	...	...	...	.	...	...	...	...	...
Total ...	20	...	420	...	...	...	...	...	...	...

4.—REGISTERED WORKSHOPS.

Workshops on the Register (s. 131) at the end of the year.	Number.
Workshops	36
Bakehouses	39
Total number of Workshops on Register ..	75

5.—OTHER MATTERS.

Class.	Number.
Matters Notified to H M. Inspector of Factories—	
Failure to affix Abstract of the Factory and Workshop Act (s. 133)	...
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Acts, (s. 5)—	
Notified by H.M. Inspector
Reports (of action taken) sent to H.M. Inspector
Other
Underground Bakehouses (s. 101):—	
In use at the end of the year

INFECTIOUS DISEASES.

Diphtheria.

Thirty-three cases of Diphtheria were notified, and of this number two died. Sixteen cases occurred at Corby and seven at Cottingham, and there was evidence to prove some relation between certain of the cases in these villages. The Sanitary Conditions in several of the houses left much to be desired, and were remedied as far as possible. No common source of infection could be found in these villages, but a large proportion of the Corby cases were children attending school between the ages of five and fifteen. The Water Supply was examined in every case, the premises disinfected and printed instructions were left.

Five cases were notified at Grafton Underwood, the first one arising at a lodge, where the drinking water was found to be contaminated.

Enteric
Fever.

Three cases of Enteric were notified during the year, the same number as last year; one of these cases was removed to Hospital. This case occurred in the Parish of Geddington, in a school where two cases had previously occurred about a year ago; as no obvious sanitary defect could be discovered it was decided to open the drains; it was then found that the outlet from the septic tank was not acting properly, and that there was a backflow partly blocking the main drain. Another drain was found to be broken in two places. The draining system at this school has now been entirely reorganised and relaid, and there is now no further fear of trouble from this cause.

At Cranford one case of Enteric occurred, but was imported from another district.

Scarlet Fever.

Twenty-one cases of Scarlet Fever were notified, compared with forty-eight last year. There was no epidemic, odd cases occurring all over the District, and were of a mild type, no deaths occurring. Thirteen of these cases were removed to Hospital.

- Small Pox. No case was notified.
- Erysipelas. Fourteen cases of Erysipelas were notified, and disinfection carried out in each case, but it is still difficult to isolate. In only one case were two persons notified in one house.
- Polio-Myelitis. No case notified.
- Measles. No epidemic occurred during the year.
- Whooping Cough. Only a few cases; no epidemic.
- Tuberculosis. Fourteen cases were notified, and of these twelve were of Pulmonary Tuberculosis. The houses of all those who were residing in the district at the time of notification were personally visited by your Medical Officer and Sanitary Inspector, and their houses inspected under the Housing and Town Planning Act. Separate sleeping accommodation is insisted upon, and printed instructions left.
- The Sanatorium maintained by the Guardians, which in former years has admitted cases from the district, was closed this year owing to the very few cases still remaining, the chief reason for this being that the Insurance Act now provides for these cases. The total deaths caused by Phthisis amounted to nine.
- Although this number is two in excess of last year, there is little doubt that this disease is becoming less common, the notifications this year being less than the total number of deaths two years ago.
- Cerebro Spinal Meningitis. There was no case of Cerebro Spinal Meningitis in this District.

Malignant
Disease.

Eleven deaths from Cancer have been registered, compared with thirteen last year, nine of which were those of persons over forty five years of age. As only seventy-eight persons have died of over *forty-five* years of age during the year, this works out that there is one death from cancer in every 8.6 deaths above forty-five. With the exception of two cases which occurred at Burton Latimer, all these cases have occurred in separate Parishes. I am still of opinion that Malignant Diseases should be made *notifiable*.

No outbreaks of Food Poisoning were brought to my notice during the year. Bacteriological aid is frequently sought for in assisting in the diagnosis in Diphtheria and Phthisis, the Council paying the expense in any necessitous case, provided that the information is sent to the M.O.H., as well as to the practitioner sending up the specimen. The Clinical Research Association is employed for this purpose.

The following table shows the infectious cases sent to the Joint Hospital during the year :

Scarlet Fever	...	..	13
Diphtheria	...	...	13
Enteric	...	...	1
			—
	Total	...	27

Discharged :

Scarlet Fever	12
Diphtheria	10
Enteric	1
			—
			23

Died :

Diphtheria	1
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This patient was admitted in 1913 in December.

Remaining in Hospital, December 31st, 1914 :

Scarlet Fever	1
---------------	-----	-----	---

Diphtheria	3
------------	-----	-----	---

The following Schools were disinfected during 1914 :

Cranford, owing to Chicken Pox.

Grafton Underwood, owing to Diphtheria.

Rushton, owing to Chicken Pox.

I am much indebted to the Headmasters of the different Schools in the District for sending me valuable and prompt information of the presence of non-notifiable, as well as other diseases in their Schools, and they have considerably assisted me in carrying out my suggestions.

SANITARY ADMINISTRATION OF THE DISTRICT.

In July the number of inspections under the Housing and Town Planning Act were considerably increased, by the action of the Committee in appointing Mr. J. H. Porter to devote his whole time to this work. In September, however, Mr. Wallis, our Sanitary Inspector, patriotically enlisted in the New Army, and is now fighting in France with the Northamptonshire Yeomanry Cavalry, and Mr. J. H. Porter than took over the work of Sanitary Inspector, in addition to his other duties. These were the only changes in the Staff during the year.

The Joint Hospital, which provides for Infectious Cases from both the Urban and Rural Districts, has been used to its utmost capacity, and at times we have had difficulty in procuring a bed when it is required. The Notification of Births Act was adopted by the Council during the year. No Health Visitor was appointed, however.

HOUSING AND TOWN PLANNING ACT.

The number of houses inspected is as follows :

Broughton	...	...	1
Burton Latimer	...	...	191
Corby	...	...	4
Harrington	...	...	1
Orton	...	...	6
Pytchley	...	...	3
Great Weldon	...	...	1
			—
	Total	...	207
			—

(a) Number of dwelling-houses unfit for habitation, 2.

(b) Number of representations made to Local Authority with view of closing orders, 0.

(c) Number of closing orders made, 2.

(d) Number of dwelling-houses the defects in which were remedied without the making of closing orders, 47.

(e) General character of defects found :

Insufficient light and ventilation.

Roofs, walls, and ceilings defective or damp.

Drains defective.

Insufficient closet accommodation.

VACANT HOUSES IN THE DISTRICT.

On the 27th July, 1914, there were found to be only nineteen houses unoccupied. The demand, however, for houses in this district is not nearly so urgent as it was twelve months ago, and only one case of overcrowding has been discovered, this being remedied.

RIVERS AND STREAMS.

The brook below Burton Latimer into which the outfall from the Sewage Farm flows was found to be polluted towards the end of the summer. Consequently the septic tanks were cleaned out, and after the floods of December the stream was almost normal again.

WATER SUPPLY.

Owing to the very dry weather in the summer months there was a shortage of water at Pytchley, Stanion, and Burton Latimer for a short time. A new engine was fixed at the Stanion Water Works.

The Local Government Board held an inquiry on 21st July, 1914, re the new proposed water supply for Corby. The scheme, which entailed the bringing of water to the Parish from Little Oakley from a spring nearly two miles away, was opposed by many of the parishioners, who contended that a good and sufficient supply could be obtained from an old brickyard, only a few hundred yards away. I examined this water on two occasions, and found it to be good. The matter is not definitely settled at present.

The Water Supply for all other parts of the District has been good and plentiful.

The total Rainfall is appended :

CRANSLEY RESERVOIR.

Rainfall, 1914.

Month.		Inches.
January	... ..	.82
February	... ..	1.12
March	... ..	2.27
April	... ..	.82
May	... ..	.81
June	... ..	2.85
July	... ..	1.61
August	... ..	1.40
September	... ..	.75
October	... ..	2.41
November	... ..	2.20
December	... ..	4.93
		—
	Total for the year ...	21.99 inches
		—

CLOSET ACCOMMODATION AND DRAINAGE.

On the older properties there is still some shortage of Closet Accommodation. This is gradually being remedied, and the old privies being done away with where possible, buckets being substituted where there is no water carriage system. The New Drainage System at Corby has been completed.

The Septic Tanks have been cleaned at Thorpe Malsor, Rushton, Geddington, and Harrington.

FACTORIES AND WORKSHOPS.

In the inspection of Factories and Workshops it was not found necessary to report any sanitary defects. Thirteen Slaughter-houses have been inspected. A report as to the Milk Supply is dealt with in the Veterinary Inspector's Report.

I am, Sirs,

Your obedient Servant,

LESLIE W. DRYLAND.

KETTERING RURAL DISTRICT COUNCIL.

Report of the Inspector of Nuisances and Sanitary Surveyor for 1914.

*To the Chairman and Members of the Kettering Rural
District Council.*

Gentlemen,

I beg to present Annual Report dealing with the Sanitary Work in the Rural District of Kettering for the year ending December 31st, 1914.

INFECTIOUS DISEASES.

The total number of Infectious Diseases was 85, against 93 last year. Of these 27 were removed to Hospital, the remainder being nursed at home.

The following schools were disinfected after outbreaks of infectious disease : Cranford, Rushton, and Grafton Underwood.

The following is a detailed summary of all cases :

Barton Seagrave	...	1	—	—	—	—	1
Broughton	...	1	—	2	5	—	8
Burton Latimer	...	7	1	1	1	6	16
Corby	...	3	—	16	3	2	24
Cottingham	...	1	—	7	1	—	9
Cranford St. Andrew	...	—	1	—	—	—	1
Cranford St. John	...	—	—	—	1	—	1
Cransley	...	1	—	—	—	—	1
Geddington	...	2	1	—	1	2	6
Grafton Underwood	...	—	—	5	—	—	5
Harrington	...	—	—	—	—	2	2
Middleton	...	—	—	—	1	—	1
Oakley, Great	...	—	—	—	1	—	1
Oakley, Little	...	1	—	—	—	—	1
Orton	...	1	—	—	—	—	1
Pytchley	...	—	—	—	—	1	1
Thorpe Malson	...	2	—	2	—	—	4
Weldon, Great	...	—	—	—	—	1	1
Weldon, Little	...	1	—	—	—	—	1
		—	—	—	—	—	—
Total	...	21	3	33	14	14	85
		—	—	—	—	—	—

PLANS.

The following is a summary of the Plans, etc., approved by the Council .

Barton Seagrave	...	1	...	—	...	—	...	1
Broughton	...	—	...	—	...	1	...	1
Burton Latimer	...	14	...	2	...	1	...	17
Corby	...	1	...	—	...	18	...	19
Cottingham	...	1	...	—	...	—	...	1
Cranford St. John	...	—	...	—	...	1	...	1
Geddington	...	1	...	1	...	1	...	3
Harrington	...	2	...	—	...	5	...	7
Weekley	...	2	...	—	...	—	...	2
Weldon, Little	...	1	...	2	...	—	...	3
		—		—		—		—
Total	...	23		5		27		55
		—		—		—		—

NUISANCES.

The following is a Summary of Nuisances dealt with during the past year :

Defective Drains	...	...	72
Defective Closet Accommodation	...	...	23
Manure Accumulations	...	...	19
Overcrowding	...	...	1
Animals Improperly Kept	...	...	7
Wells, Pumps, etc., Defective	...	...	23

No legal proceedings were found necessary. The nuisances having been abated after verbal instructions had been given, or Informal Notices served.

DAIRIES AND MILKSHOPS.

The Dairies and Milkshops have been inspected from time to time and premises have been inspected where notices have been served by the Joint Board.

Plans were approved for new Cowshed at Burton Latimer. No case of Infectious Disease was traced to the milk supply.

FACTORIES AND WORKSHOPS.

Below are the 19 Factories in the District :

Clothing	...	...	..	7
Boots	...	...	...	7
Iron Works	...	...	...	2
Brewery	...	...	...	1
Mineral Water	...	...	...	1
Flour Mill	...	...	...	1

There are 35 Workshops and 39 Bakehouses, etc., in the District. Outworkers Lists have been received twice yearly. In all cases where Infectious Disease occurred homework was discontinued.

Alterations and Additions to Factory and Additional Closet Accommodation has been made to one Clothing Factory at Burton Latimer.

SLAUGHTERHOUSES.

All the Slaughterhouses in the district have been inspected.

HOUSING AND TOWN PLANNING ACT, 1909.

Two hundred and seven Houses have been inspected during the past year in the following Parishes :

Broughton	...	...	...	1
Burton Latimer	..	...	...	191
Corby	...	...	...	4
Harrington	...	...	...	1
Orton	...	...	...	6
Pytchley	...	...	...	3
Weldon, Great	...	...	...	1
				<hr/>
		Total	...	207
				<hr/>

The following is a summary of proceedings for the year :

Number of dwelling-houses inspected	...	207
Number of houses found to be unfit for habitation		2
Number of Closing Orders made	... ..	2
Number of houses in which defects were remedied without Closing Orders being made	... ..	47
Number of houses rendered fit for habitation after making Closing Orders	... ..	—
Number of houses demolished	... ..	—

General character of defects found to exist: Drainage; Insufficient closet accommodation; Insufficient light and ventilation; Roofs, walls, ceilings, etc., defective.

SANITARY SURVEYOR'S REPORT.

Broughton.

The Sewerage Works continue to work satisfactorily and the effluent is good.

The crops realised £21 8s.

The Sewers have been regularly flushed.

Burton
Latimer.

The crops at Sewage Farm realised £39 10s. 7d., and grass-keeping £13 2s. 6d.

Both the tanks have been cleaned out and the sludge sold for £2 10s.

Corby.

The New Sewerage Scheme is now completed and is working satisfactorily.

Cottingham.

The Parish Dyke has been cleaned out during the year.

Geddington.

Rushton.

Thorpe

Malsor.

Warkton.

Weekley.

Harrington.

Stanion.

Harrington.

The Septic Tanks have been cleaned out and work satisfactorily.

A new 6 inch Sewer has been constructed, together with the necessary manholes, a distance of 470 feet, to replace the old stone drain, which was defective.

WATER SUPPLY.

Burton
Latimer.
Stanion.
Pytchley.

There was a shortage of water during the summer months. But the wells filled again towards autumn, and the supply is now satisfactory.

I am, Mr. Chairman and Gentlemen,

Your obedient Servant,

J. H. PORTER,

Acting Surveyor and Inspector.

To the Joint Committee *re* DAIRIES and
COWSHEDS.

Veterinary Inspector's Annual Report.

Kettering,
January 1st, 1915.

Gentlemen,

I beg to report that during the year ending December 31st, 1914, I have made visits of inspection to premises in the occupation of registered cowkeepers to the number of 302, and an individual examination of the cows housed therein, with special regard to the condition of their udders, to the number of 3,154. With regard to the sanitary state of the cowsheds, the following conditions were found to exist :

Number of sheds or groups of sheds inspected and reinspected	...	...	...	302
Number in which the sanitary arrangements were found to be satisfactory	...	...	...	275
Ditto, unsatisfactory	...	...	...	27
				<hr/>
Total	...	...	...	302
				<hr/>

The sanitary condition of the byres was thus found to be unsatisfactory in 8.94 cases per cent, the chief causes of complaint being as follows : Faulty drainage and general dirty and illkept condition, 11 cases ; insufficient light, 4 cases ; neglect of lime-washing, 4 cases ; accumulation of manure in too close proximity to sheds, 5 cases ; insufficient ventilation, 1 case ; and faulty and dilapidated structural condition, 2 cases.

In all these cases the occupier's attention was called to the conditions existing, and this was followed by an official intimation from the committee that the respective nuisances must cease to exist within 28 days and, generally speaking, these notices have been satisfactorily complied with within the specified time.

There is one important matter to which I wish to draw attention, and that is to impress upon cowkeepers the vital necessity of a *regular daily flushing with water of all drain channels and floors*. In the majority of cases this is done, but, in some, it is not carried out with the regularity which is essential in the interests, both of the animals themselves, and the production of clean milk, and in a few of the places it seems to be the last thing considered worthy of attention.

With reference to the health and general condition of the milking cows, these I consider have been well up to the average standard and, in regard to their udders, to which special attention has been paid, of the 3,154 animals inspected and reinspected, some abnormality was discovered in 112 or 3.55 cases per cent.

Of these deranged udders 33 or 1.04 per cent. of the whole number were found to be in a condition calculated to render the milk unwholesome or harmful to persons consuming it in an uncooked state, the derangement being due to mastitis acute or chronic, suppurative conditions, teat eruptions, furunculus, etc.

Tuberculosis of the udder was discovered in only three animals, which must be regarded as highly satisfactory. Of these, two were slaughtered under the Tuberculosis Order, the remaining one (the Order being in suspension) being satisfactorily disposed of by the owner.

With reference to the existence of this disease (Tuberculosis of the udder) I have no desire to convey a false feeling of security, and it must not be understood that, of the 3,154 cows, only three were capable of giving Tubercular milk. The number is probably

greater than this for the reason that the disease, in its incipient stages, may give no clinical evidence of its existence in which case an udder escapes suspicious notice. Samples of milk, however, from all suspicious udders, are examined microscopically and subject to biological test if necessary, so that the risk of a Tubercular udder escaping detection is reduced to a minimum. Furthermore, the fact that Tubercular Meningitis of children, for which Tubercular milk is believed to be largely responsible is, as I am informed by medical practitioners, very much less common in this district than was the case a few years ago, suggests that much of this source of infection is under control.

In this connection more valuable results will doubtless emanate from the provisions of the Milk and Dairies Act, which is due to come into operation towards the end of 1915.

I have the honour to remain,

Your obedient Servant,

TREVOR F. SPENCER, M.R.C.V.S.

